

Features

HR High Rate Discharge Series:

- Excellent high-rate discharge characteristics that ensure reliable performance in UPS and other high-rate discharge applications for up to 10 years service life at 25° C temperatures.
- Interior design performance attributes to ensure cell to cell consistency and high wattage per cell performances.
- Valve Regulated Lead Acid (VRLA), Absorbent Glass Mat (AGM) Technology – Safe operation in any position
- Lead-calcium alloy grids and the use of high purity virgin lead
- Externally sealed Flame retardant ABS case and cover to UL94V-0 for superior performance on sizes over 33Ah is standard (under 33Ah is optional)
- Special high performance terminals designed to increase conductance.
- UL recognized (UR) as a component in UL approved equipment installations under File number MH46202
- Classified as non-spillable status for transportation making it non-hazardous for normal transportation processes. Approved for transport by air. Fulfills US D.O.T., I.A.T.A., F.A.A., C.A.B. handling and shipping requirements
- For more details on special design and construction details see Features and Benefits publication on www.oraclebattery.com



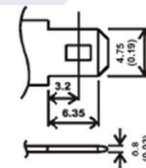
Specification

Cell per unit	6	Ambient Temperature
Nominal Voltage (V)	12	Charge 0°C (32°F) to 40°C (104°F)
Nominal Capacity (watts)	58 W/cell @ 5mins rate to 1.6vpc	Discharge -15°C (5°F) to 50°C (122°F)
Weight	Approx 2.45kg (5.40lbs.)	Storage -15°C (5°F) to 40°C (104°F)
Internal Resistance (1KHz)	20mΩ	Max Charge Current
Max Discharge Current (5s)	112A	Max charge current 2.25A
Battery Life	Stand by : 3~5 years	Cycle use: Charge voltage: 14.4 to 15.0V
Terminal Type	F1/F2	Stand by: Charge voltage: 13.5 to 13.8V
Container Material	ABS 94-HB flame retardant case (94V-0 Optional)	

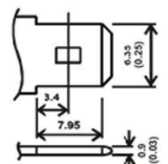


Dimensions

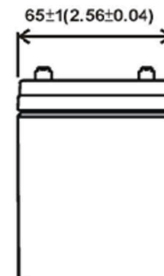
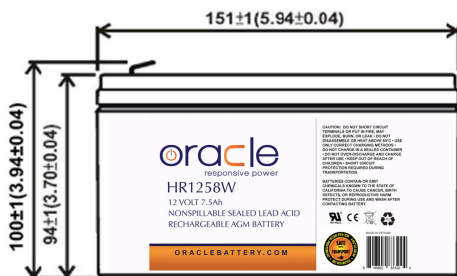
	Length	Width	Height	Total Height
Unit mm	151±1	65±1	94±1	100±1
Unit inch	5.94±0.04	2.56±0.04	3.70±0.04	3.94±0.04



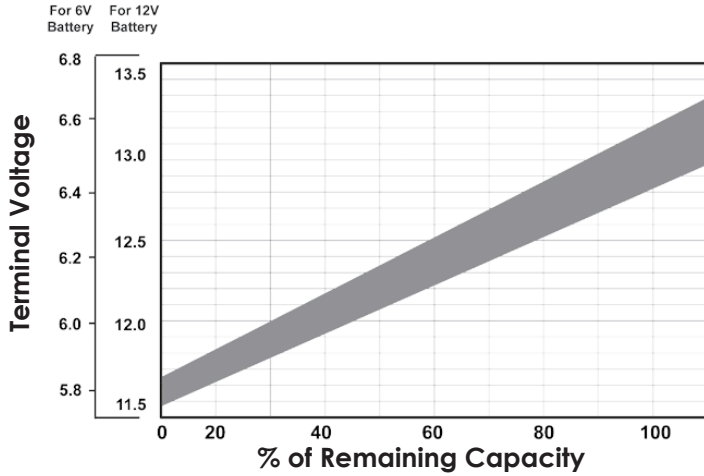
F1



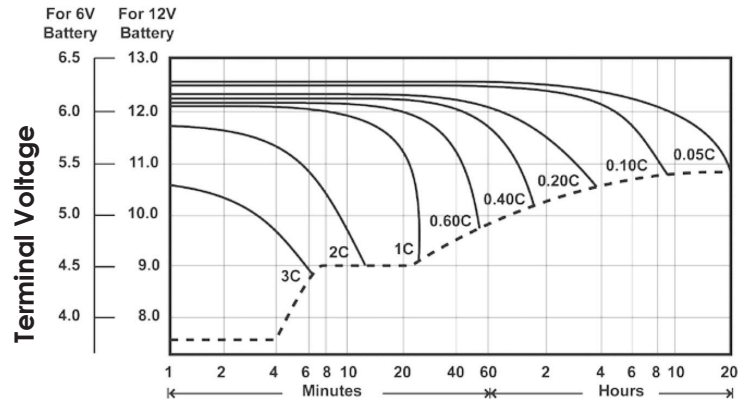
F2



Terminal Voltage



Discharge Times



Time to Ending Voltage

Charge Voltages

Temperature Compensated Charging	Average Temperature	Cycle Charging Volts Per Cell	Float Charging Volts Per Cell
	-40°C (-40°F)	2.85-2.95	2.38-2.43
	-20°C (-4°F)	2.67-2.77	2.34-2.39
	-10°C (14°F)	2.61-2.71	2.32-2.37
	0°C (32°F)	2.55-2.65	2.30-2.35
	10°C (50°F)	2.49-2.59	2.28-2.33
	20°C (68°F)	2.43-2.53	2.26-2.31
	25°C (77°F)	2.40-2.50	2.25-2.30
	30°C (86°F)	2.37-2.47	2.24-2.29
	40°C (104°F)	2.31-2.41	2.22-2.27
50°C (122°F)	2.25-2.35	2.20-2.25	

Temperature Storage

Average Storage Temperature	Recharging Interval
68°F	Every 9 months
77°F	Every 6 months
95°F	Every 3 months

Constant Current Discharge Characteristics (25°C 77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	34.80	16.50	9.69	5.52	3.10	2.15	1.37	0.94	0.75	0.41
1.67V	32.70	16.00	9.38	5.42	3.03	2.10	1.34	0.94	0.74	0.40
1.70V	32.10	15.80	9.32	5.39	3.01	2.07	1.32	0.94	0.73	0.39
1.75V	29.90	15.30	9.11	5.32	2.97	2.04	1.31	0.94	0.72	0.39
1.80V	27.50	14.60	8.86	5.17	2.92	2.00	1.25	0.93	0.71	0.38

Watts Per Battery Discharge Characteristics (25°C 77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	365	185	110	63.3	37.9	23.2	18.1	11.4	8.89	4.99
1.67V	352	183	105	63.3	37.8	23.2	18.1	11.4	8.83	4.81
1.70V	335	179	105	63.2	37.6	23.1	18.0	11.3	8.71	4.69
1.75V	302	168	102	62.1	36.9	23.1	17.9	11.3	8.65	4.51
1.80V	271	159	96	60.9	36.5	22.9	17.8	11.3	8.53	4.38



HR1258W 12V 7.5Ah
Sealed Lead Acid AGM Battery